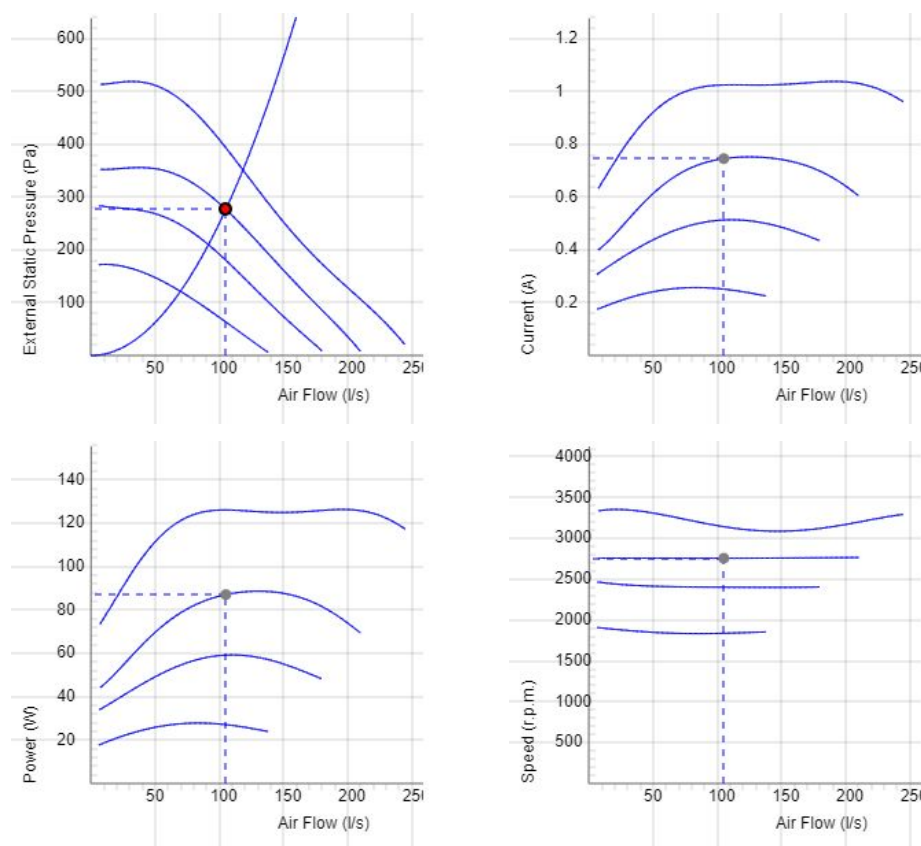


CK 160 C1 EC



- Duct fan with circular connections.
- Proven performance and reliability.
- Compact with high capacity and efficiency.
- Low sound levels.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- Fan housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- A duct connected fan can be installed outside or in damp environments.
- Easy installation in any position

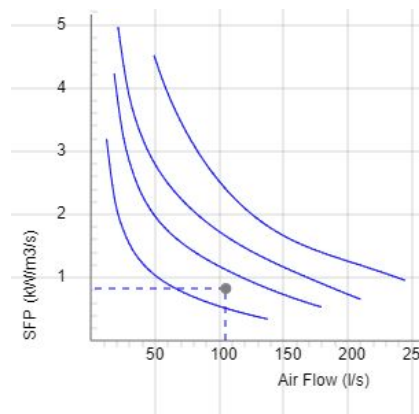
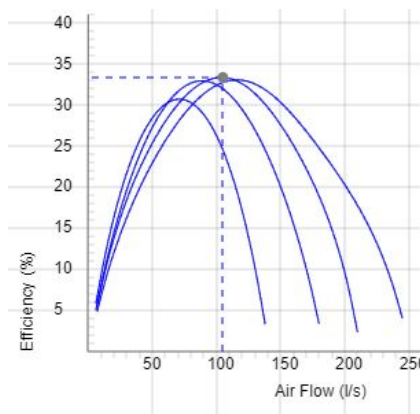
DIAGRAMS



Data

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Voltage (V)
105	277	87.1	2757	0.746	7

DIAGRAMS

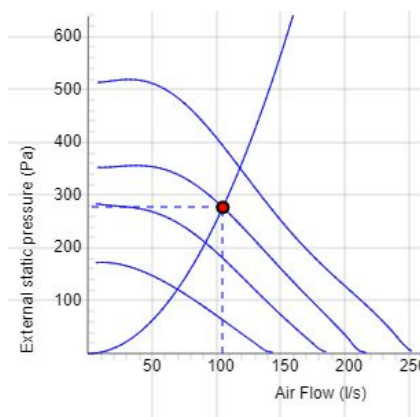


DATA

Efficiency (%)
33.4

SFP (kW/m³/s)
0.829

SOUND DATA



	Tot	63	125	250	500	1k	2k	4k	8k
Inlet Lw dB(A)	76	54	62	71	72	70	62	61	50
Outlet Lw dB(A)	74	55	63	67	68	68	65	62	53
Surrounding Lw dB(A)	54	29	33	42	48	50	45	45	31
Surrounding Lp dB (A) 20m ² Sabine, hemispherical 3m	47								

Data - SOUND

Air Flow (l/s)	External static pressure (Pa)	Power (W)	Speed (r.p.m.)	Current (A)	Efficiency (%)	SFP (kW/m ³ /s)	Voltage (V)
105	277	87.1	2757	0.746	33.4	0.829	7

TECHNICAL DATA

CK 160 C1 EC-y1 7001166

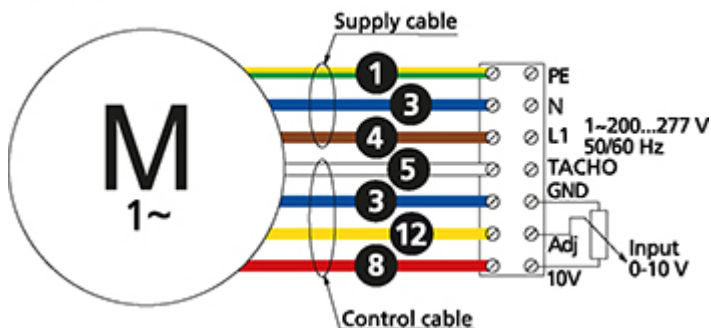
Parameter	Value	Unit
Voltage	230	V
Phase	1	~
Frequency	50/60	Hz
Power	126	W
Current	1.03	A
Speed	3170	r.p.m.
Max. temperature of transported air	60	°C
Sound pressure level at 3 m	49	dB(A)
Weight	3.4	kg
Enclosure class	44	IP
Insulation class, motor	F	
Duct connection	160	mm
Max. flow @ 0Pa	251	l/s
Max. pressure	526	Pa
Voltage range	200-277	V

PRODUCT INFORMATION SHEET

Parameter	Value	Unit
(a) Manufacturer	Östberg	-
(b) Model code	CK 160 C1 EC	-
(c) Declared type	NRVU / UVU	-
(d) Type of drive	Variable speed drive	-
(e) Type of HRS	N/A	-
(f) Thermal efficiency	N/A	%
(g) Nominal flow rate	0.113	m ³ /s
(h) Effective power input	125	kW
(i) SFP int	N/A	W/(m ³ /s)
(j) Face velocity	5.6	m/s
(k) Nominal external pressure	363	Pa
(l) Internal pressure drop	N/A	Pa
(n) Static efficiency	45.5	%
(o) External (and internal) leakage rate	0.22 (N/A)	%
(p) Filter classification	N/A	%
(q) Visual filter warning	N/A	-
(r) Sound power level	56	dB LwA
(s) Disassembly instructions	www.ostberg.com	-

WIRING DIAGRAM

4040153



(M) = Fan Motor

(M1) = Fan Motor

(M2) = Fan Motor

(M3) = Rotor Motor

1 = Yellow/Green

2 = Black

3 = Blue

4 = Brown

5 = White

6 = Orange

7 = Grey

8 = Red

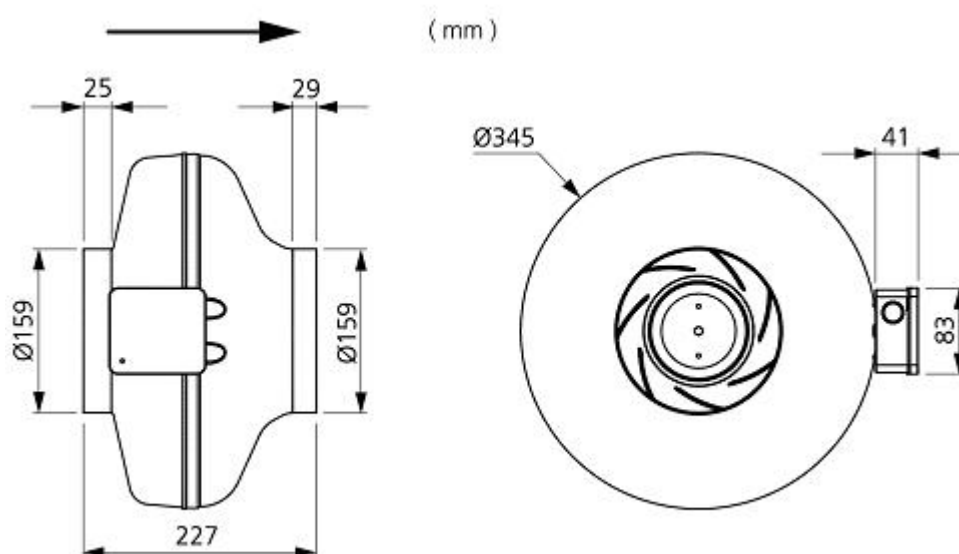
9 = Green

10 = Violet

11 = Quick switch

12 = Yellow

DIMENSIONS



ACCESSORIES

Mechanical accessories



Mounting bracket Kit MB



Mounting clamp MK 160



Safety grille BSV 160



Back draught shutter RSK 160



Louvre YG 160



Louvre shutter VK 160



Filterbox FLK 160



Filterbox FLF 160



Silencer LDC 160

Electrical accessories



Speed controller MS



Controller IQ-Reg EC



Plejd Controller EC



Pressure regulator CALAIR-PR-230V



Pressure regulator FKP-R